



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

SWA3-3-OH
Job Sheet 173678



Part No: SWA3-3-OH

Job Qty: 1 ea

Part Name: Electric Swivel 3,000 lb Safe Work Load (1,360 kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/6/18

Job Tracking No: RA166

SN: 692-C

Due Date: 4/6/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG SWA3-3 Rev 3 IPP Rev A 18.03.05 New issue DP verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea		3/29/18	0.00	0.00	Start Up Small Fab-4		
110	Small Fab	1 pcs		3/30/18	0.00	1.00	Small Fab-9		
120	QC	1 pcs		3/30/18	0.00	0.00	QC5		
130	Customer Acceptance	1 pcs		3/30/18	0.00	0.00	QC6		
140	Outsource	1 pcs		4/5/18			SKY002-VC	5	
150	Packaging	1 pcs		4/5/18	0.00	0.00	Packaging2		DAS 11
160	QC	1 pcs		4/5/18	0.00	0.00	QC6		9-89 AP
170	Small Fab	1 pcs		4/6/18	0.00	1.00	Small Fab-9		14-18-4-24
180	QC	1 pcs		4/6/18	0.00	0.00	QC5		
185	DC	1 pcs		4/6/18	0.00	0.00	DC		
190	Packaging	1 pcs		4/6/18	0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea		4/6/18	0.00	0.00	QC21		18/04/24

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S060456



Part: SWA3-3

Job No: 173678

Serial No/Batch: S060456

Revision: 3

Inspector:

Date: 04/12/18

APR 24 2018

DAS
21
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA3-3-AR	Electric Swivel 3,000 lb Safe Work Load (1,360 Kg)	1 pcs (1 ea)	100-Start up Operation	
188-FPSS-832-1/4	Set Screw	1 Ea (1 ea)	170-Small Fab	5027241
330	Rotary Connector	1 (1 ea)	170-Small Fab	
92210A303	Flat Socket Cap Screw	4 pcs (4 ea)	170-Small Fab	502724050
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	170-Small Fab	5058761
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	5054451
EL314-SJTOW	3 Wire	6 ft (6 ea)	170-Small Fab	5047767
SWA3-100	Upper End - Swa3 Swivel	1 Ea (1 ea)	170-Small Fab	
SWA3-200	Lower End	1 Ea (1 ea)	170-Small Fab	
SWA3-300	Wire Clamp	2 Ea (2 ea)	170-Small Fab	
SWA3-400	Button Head Screw	2 Ea (2 ea)	170-Small Fab	5029399
SWA3-500B	Contact Spacer	1 Ea (1 ea)	170-Small Fab	
SWA3-600	O-Ring	1 Ea (1 ea)	170-Small Fab	5046195
SWA3-700	Ball Bearing	32 Ea (32 ea)	170-Small Fab	5029402
SWA6A-1900	Female Spade Terminal - 1/4"	6 Ea (6 ea)	170-Small Fab	5029403
				5058762
				5054299

GREASE.7 BATCH: M138724

LOCTITE 242 BATCH: M138762

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	SWA3-3	1	0	0
170-Small Fab	188-FPSS-832-1/4	1	91	0
	330	1	0	0
	92210A303	4	76	0
	EL-PLUG-F	1	28	0
	EL-PLUG-M	1	53	0
	EL314-SJTOW	6	1,074	0
	SWA3-100	1	0	0
	SWA3-200	1	0	0
	SWA3-300	2	0	0
	SWA3-400	2	24	0
	SWA3-500B	1	0	0
	SWA3-600	1	0	0
	SWA3-700	32	140	0
	SWA6A-1900	6	292	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																														
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Inspection Sheet Complete

RA166

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
SWA3-3	692-C	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S040335	Perform overhaul. Return to customer.
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

HYDRO ONE NETWORKS INC.

helicopter services

Item LA-16 LINE SWIVEL

Part No.

Serial No.

692-C

Removed From Helicopter

LA-16 LINE ASSY #9

Date 15 Dec 2017

Reason for Removal

DUE FOR O/H

Repairable ☒

Scrap ☐

Repairs to be Made at Base ☐

By Others ☒

Action to be Taken

SEND TO OART FOR INSP/O/H

Time

Since New

N/K

Since o/h

Signed

G. Mann

(over)

unserviceable

QC Approval: P.D.

Date: 3-Mar-18

RA166

overhaul

SWA3-3 # 692-C

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO35580	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO039522
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

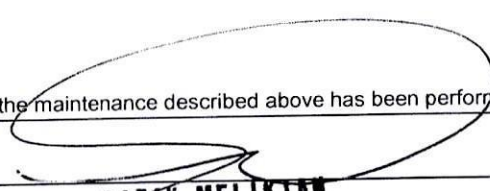
CARRY OUT NDT ON:

2 ELECTRIC SWIVEL 3000lb , P/N# SWA3-3-OH , J/S# 173678 , 175468

1 ELECTRIC SWIVEL 10,000 lb , P/N# SWA10A-4-OH , J/S# 175469

Action Taken:						Date:	Initial/Stamp:
MPI C/O IAW ASTM E-1444M-12 ***NO CRACK FOUND*** MAGBENCH S/N 208123 CAL DUE: 23-JUL-2018 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO20165						APR 09 2018	 
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date: APR 09 2018
Name: RAFTK MELIKYAN		



Electric Swivel
SWA3

Work Order 173678

Customer _____

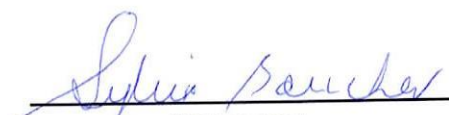
Number of Wires 3

Date 2018/04/24

Serial Number 692-C

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	3,000	Check for Conductivity against all wires.	- PASS
1	3,000	Check all wires for grounding against swivel body.	- PASS
1	1,500	Check for Conductivity against all wires.	- PASS
1	1,500	Check all wires for grounding against swivel body.	- PASS
1	750	Check for Conductivity against all wires.	- PASS
1	750	Check all wires for grounding against swivel body.	- PASS
1	0	Check for Conductivity against all wires.	- PASS
1	0	Check all wires for grounding against swivel body.	- PASS

Test Conducted By: ALAN PATRY
Technician

Signature: 
QC 5 Small FAB / QA

Submit



Electric Swivel
SWA3

Work Order 173678

Customer _____

Number of Wires 3

Date 2018 / 04 / 24

Serial Number 692-C

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	3,000	Check for Conductivity against all wires.	- PASS
1	3,000	Check all wires for grounding against swivel body.	- PASS
1	1,500	Check for Conductivity against all wires.	- PASS
1	1,500	Check all wires for grounding against swivel body.	- PASS
1	750	Check for Conductivity against all wires.	- PASS
1	750	Check all wires for grounding against swivel body.	- PASS
1	0	Check for Conductivity against all wires.	- PASS
1	0	Check all wires for grounding against swivel body.	- PASS

Test Conducted By: ALAIN PATRY
Technician

Signature: *Sylvie Pouchet*
QC 5 Small FAB / QA

Submit